OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/593,828

DATE: 06/27/2000 TIME: 08:50:15

Input Set : A:\SEQLIST.TXT.txt

Output Set: N:\CRF3\06272000\1593828.raw

4 <110> APPLICANT: Rosen, Steven
5 Hemmerich, Stefan
7 <120> TITLE OF INVENTION: Novel Glycosyl Sulfotransferases
10 <130> FILE REFERENCE: 6510-138US1
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C--> 12 <141> CURRENT FILING DATE: 2000-06-13
12 <150> PRIOR APPLICATION NUMBER: 60/144,694
13 <151> PRIOR FILING DATE: 1999-07-20
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17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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FNTERED

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70	tagaaggaa atagaagaa	actorigaty	gageeggett	ggcacgtctg	ggatacgitg	240					
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7.2	ttopagtaga castaaaaa	canttata	tasastas	geegeaacat	cteggatete	360-					
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	gctcagegac ccegegetea					780					
						840					
	getgegetee egggaggegg					900					
100	caccaacggc aagtgggtgg cagccacgtg cgcatcgccg	aggeegacee	actorages	. cryarrogeg	taggigigigiceg	960 1020					
103	caycoacycy cycalogody	aggeegeeac	acteaayeey	Coaccettet	. cycycygodg	1020					

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112	ccacgggtcg (	gggatcggca	agccaatcga	ggccttccat	acttcgtcta	ggaatgcgcg	1200			
113	caacgtctcc (	caggcctggc	gccacgcgtt	gcccttcact	aagatcctgc	gcgtgcagga	1260			
114	ggtgtgcgcc q	ggcgcgctgc	agctgctggg	ctaccggcct	gtgtactctg	cggaccagca	1320			
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118	gggagtttgg (	ggtcctcccc	tgaagtaagc	aaggactgca	cgtttctttc	tctcctgatt	1560			
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123	cctctctact a	aaaaatgcaa	aaattaqtcc	gacataataa	cacactcctq	taatcccagc	1860			
124	tacttaggag q	gctgaggtgg	qaaaatcact	tggactccaa	aggtggaggt	tgcagtaagc	1920			
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139	ctgtcgcagg g	cagcacaac	aacactacac	ataaccatac	acaacctaat	graduate	300			
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235	tatgctttcg	agtatgaa	cc attga	aggaaa	. gg	atta	tcaa	aat	ccaa	2+0	222+	acaata	1440
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240	actaatacta	atatttaa	ac aaacc	20++0	. La	+ - ~ -	~~+~	aty	aayy	yya 	aata	teacea	1680
240	atctgctgga	atguing	aa acaga	tacttg		Laga	galy	aaa	LTdd	act	aatt	gaaaac	1740
243	<210> SEQ I	D NO. 7	ga cogoc	Layya	ı La	Luca	aayı	LLa	Lyga	Jua	a		1791
	<211> LENGT												
	<212> TYPE:												
	<213> ORGAN		muggulu										
	<400> SEQUE		musculu	15									
	Met Arg Leu		Dho Cor	Cor	mbх	17 - 1	Mot	T a	C	т	т	11-4	
250	1	. PIU AIG 5	PHE SEL	ser	THI	10	met	Leu	ser	Leu		мет	
		_	T 011 17 1	nha	т		a	<b>.</b>	01		15		
252	Val Gln Thr	20	ren var	Pile		vai	ser	Arg	GIN		Pro	ser	
	Car Dra Ala		C1 C1	3 ~ ~	25	** -		<b>T</b>	77. 1	30		_	
254	Ser Pro Ala	Gry Leu	GIA GIO		vaı	HIS	Val	Leu		Leu	Ser	Ser	
			Cam Dha	40	<b>a</b> 1	01.	<b>-</b> .	n.l.	45			_	
255	Trp Arg Ser	Gry Ser		val	GIY	GIn	Leu		Ser	GIn	His	Pro	
256	50	m T	55 Nat 01:	D		-		60	_	_		_	
	Asp Val Phe	Tyr Leu		Pro	АТа	Trp		Val	Trp	Asp	Thr		
258			70	_	•		75					80	
	Ser Gln Gly		Pro Ala	Leu	His		Ala	Va1	Arg	Asp		Ile	
260		85			_	90					95		
	Arg Ser Val		Cys Asp	Met		Va1	Phe	Asp	Ala		Leu	Pro	
262		100	_		105					110			
	Trp Arg Arg		Ser Asp		Phe	Gln	$\mathtt{Trp}$	Ala		Ser	Arg	Ala	
264	115			120					125				

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 06/27/2000

PATENT APPLICATION: US/09/593,828

TIME: 08:50:16

Input Set : A:\SEQLIST.TXT.txt
Output Set: N:\CRF3\06272000\1593828.raw